

58 REVISED ISSUE • 1937

Mounted Points 58

26

451-911

THE IMPROVED CARBORUNDUM DENTAL GOODS

**FOR
YOUR
PROTECTION**

The mandrels of Carborundum
Brand Green-Grit Dental Points
are marked *Carbo*
Co Only such
points bearing this identifica-
tion are the genuine product
as manufactured by The Carbo-
rundum Company, Niagara Falls,
N. Y. Insist upon genuine Green-
Grit Carborundum Brand Dental
Points.

THE IMPROVED CARBORUNDUM DENTAL PRODUCTS

REG. U. S. PAT. OFF.

Manufactured by
THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.

26

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NO DATE

Carborundum Brand Silicon Carbide Green-Grit Dental Points

IN presenting to the dental profession the new Carborundum Brand Green-Grit Dental Points, The Carborundum Company desires to give emphasis to several outstanding features that characterize these points—exclusive features that lend authority to the statement that they are a decided improvement over abrasive points produced in the past.

This improvement starts with the abrasive itself. In the manufacture of these points specially selected green colored crystals of Carborundum Brand Silicon Carbide are used. These green crystals have an angular fracture and a high degree of sharpness and friability. It is the same selected Carborundum Brand Silicon Carbide that is used in industry in the grinding of some of the hardest known materials.

Then, too, the green Carborundum Brand Silicon Carbide, from which these points are made, has an inherent, a fundamental sharpness. It is "born" that way in the electric furnace. Because of this definite characteristic the points stay sharp even though there never is enough pressure used in dental operations to cause the grain to fracture or split into new grains or crystals, thus giving new cutting edges, as is the case in industrial grinding operations.

Green Carborundum Brand Silicon Carbide is crushed and accurately graded to grains of the desired degree of coarseness and fineness and these grains are mixed with a special type of

THE IMPROVED CARBORUNDUM BRAND DENTAL PRODUCTS

bond that makes possible a point that is at once hard and dense, yet has a free cutting action—a point that will not fill up or load with removed material.

A vitrifying bond that tenaciously holds the grain is used, a bond that has made a distinct advance in the art of manufacturing dental points and wheels. This bond was adopted only after elaborate tests to prove that it would not only securely hold the grain, but that it would also make possible a structure that was extremely hard, dense, yet free cutting—permitting firing of the pieces at high temperature and still have them hold true to shape.

This particular bond is inert to ordinary acids. It is not affected by the action of saliva or any of the antiseptic agencies used in dental practice. It is not affected by sterilization.

In the past, abrasive points have been of a softer grade or structure and were inclined to lose their shape in use. Because of this disadvantage, dentists were too often forced to resort to the steel burr in the preparation of cavities. At its best, however, the steel burr adds greatly to the discomfort of the patient, often injures good tooth structure, thus adversely affects the permanence of the filling. Such is not the case when a smooth, clean cutting abrasive point is used.

The ability to hold their shape is one of the outstanding features of the Improved Carborundum Brand Green-Grit Points. Because they do so there is far greater accuracy in cavity preparation; there is a steadiness to the performance that greatly lessens shocks or bumps—a steadiness not possible with a point that wears out of true. It is obvious that the dental point that holds true to its shape will give far greater accuracy of dental margins and cavity outlines, thus eliminating possibilities of leakage around the fillings.

Another valuable feature of the points lies in the patented method of mounting. This calls for the use of a technically adjusted cement and a method that insures an absolutely secure mounting. In fact, in mounting these points, we have borrowed from the technique and practice of industry where mandrels are operated up to one hundred thousand revolutions per minute. The same

THE IMPROVED CARBORUNDUM BRAND DENTAL PRODUCTS

principles of rugged, secure mountings are followed in the production of these improved dental points. All mandrels are plated by a special process and are positively non-tarnishing.

Still another important phase of the manufacture of these points is the final testing and inspection. Every mounted point or wheel is given a rigid inspection and is then tested for truth of shape and mounting on a standard hand piece of the latest type.

The New Aloxite Brand Aluminum Oxide Streakless White Dental Points

**For Forming, Finishing, and Polishing Synthetic
or True Porcelains**

The Carborundum Company also introduces to the dental profession a group of practical points known as The Aloxite Brand Streakless White Points.

These points, pure white in color, are made from Aloxite Brand Aluminum Oxide, also an electric furnace abrasive, and bonded with a bonding agent particularly developed for this purpose. The Streakless White Points are highly recommended for forming, finishing and polishing of synthetic or true porcelains.

The Streakless White Points cut clean and fast without streaking or discoloring the work. They can be used for removing rough points or surfaces from natural teeth, thus eliminating possible lodgments for bacteria. They are also used for polishing porcelain fillings and all metals used by the dental profession.

The Streakless White Points are also mounted securely on non-tarnishing spindles.

In the interest of standardization there has been a reduction in the number of shapes and sizes of all Carborundum Brand Mounted Points until the complete line as offered to the dental profession in the Improved Green-Grit and the Streakless White Points includes all necessary and practical points to meet conveniently the condi-

THE IMPROVED CARBORUNDUM BRAND DENTAL PRODUCTS

tions of general everyday practice and is a selection approved by prominent dental clinics.

It is a well-known fact that great advances have been made in dental technique during the past few years and that there has been introduced to the dental profession a great number of new methods and materials. With the idea of keeping up with such an advance The Carborundum Company offers these improved dental points. No matter what the experiences of the profession have been in the past in working with abrasive points, it should be realized that these new points are a distinct improvement. They are the result of the research and resources of The Carborundum Company gained through forty years of experience in the manufacture of abrasive products and based on a thorough study of the needs of the dental profession.

The dental profession will find that the improvement in these points is not based on a single idea but rather we have produced a point balanced in its characteristics, to meet all of the requirements of modern dental practice. It is suggested that after a trial of these points you might like to offer comments or suggestions. These would indeed be gratefully received.

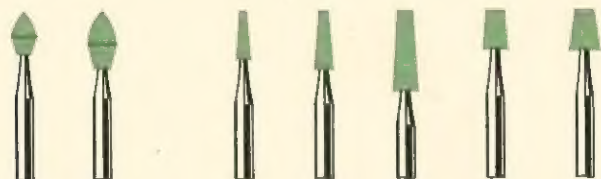
Carborundum research will not cease with the introduction of these points but will carry on continuously with the idea of further improvements if possible.

Both the Carborundum Brand Green-Grit Points and the Aloxite Brand Streakless White Points are illustrated in actual sizes on the pages following.

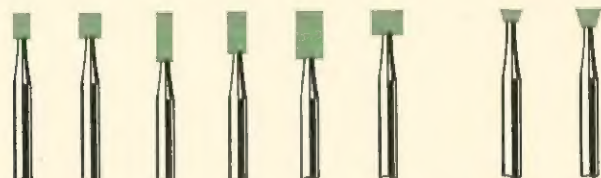
CARBORUNDUM BRAND GREEN-GRIT DENTAL POINTS



HAND PIECE	C3027	C3047	C3067	C3087	C3127	C3147	C3227
RIGHT ANGLE	C3022	C3042	C3062	C3082	C3122	C3142	C3222
OLD NO.	C148	C147	C140	C141	C222	C223	C217
















HAND PIECE	C3327	C3347	C3427	C3447	C3467	C3487	C3507
RIGHT ANGLE	C3322	C3342	C3422	C3442	C3462	C3482	C3502
OLD NO.	C221	C216	C224	C225	C227	C226	C189








HAND PIECE	C3627	C3647	C3667	C3687	C3707	C3727	C3827	C3847
RIGHT ANGLE	C3622	C3642	C3662	C3682	C3702	C3722	C3822	C3842
OLD NO.	C228	C219	C229	C186	C187	C188	C191	C230







CARBORUNDUM BRAND GREEN-GRIT DENTAL POINTS







							
HAND PIECE	C3867	C3887	C3927	C3947	C3967	C3987	C4007
RIGHT ANGLE	C3862	C3882	C3922	C3942	C3962	C3982	C4002
OLD NO.	C212	C190				C184	








						
HAND PIECE	C4127	C4147	C4167	C4187	C4327	C4347
RIGHT ANGLE	C4122	C4142	C4162	C4182	C4322	C4342
OLD NO.					C185	C234

					
HAND PIECE	C4367	C4387	C4407	C4427	C4447
RIGHT ANGLE	C4362	C4382	C4402	C4422	C4442
OLD NO.	C235	C236	C129 1/2	C254	C256






CARBORUNDUM BRAND GREEN-GRIT DENTAL POINTS







						
HAND PIECE	C4527	C4547	C4567	C4627	C4647	C4667
RIGHT ANGLE	C4522	C4542	C4562	C4622	C4642	C4662
OLD NO.				C193	C183	C182

						
HAND PIECE	C4727	C4747	C4767	C4827	C4847	C4927
RIGHT ANGLE	C4722	C4742	C4762	C4822	C4842	C4922
OLD NO.	C192	C214	C142	C215	C210	C211

							
HAND PIECE	C5027	C5047	C5067	C5127	C5147	C5167	C5227
RIGHT ANGLE	C5022	C5042	C5062	C5122	C5142	C5162	C5222
OLD NO.	C218	C220	C143	C231	C232	C233	C237

CARBORUNDUM BRAND GREEN-GRIT DENTAL POINTS

					
HAND PIECE	C5267	C5327	C5347	C5427	C5447
RIGHT ANGLE	C5262	C5322	C5342	C5422	C5442
OLD NO.	C146	C181	C180	C252	C253

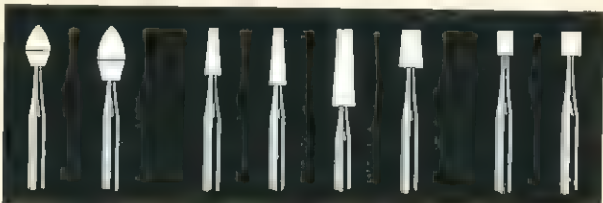
						
HAND PIECE	C5527	C5547	C5567	C5587	C5607	C5627
RIGHT ANGLE	C5522	C5542	C5562	C5582	C5602	C5622
OLD NO.	C162	C144	C145	C241	C242	C240

				
HAND PIECE	C5647	C5667	C5687	C5707
RIGHT ANGLE	C5642	C5662	C5682	C5702
OLD NO.	C238	C250	C239	C251

ALOXITE BRAND STREAKLESS WHITE POINTS



HAND PIECE	K3027	K3047	K3067	K3087	K3127	K3147	K3227
RIGHT ANGLE	K3022	K3042	K3062	K3082	K3122	K3142	K3222
OLD NO.	K148	K147	K140	K141	K222	K223	K217



HAND PIECE	K3327	K3347	K3427	K3447	K3467	K3487	K3627	K3647
RIGHT ANGLE	K3322	K3342	K3422	K3442	K3462	K3482	K3622	K3642
OLD NO.	K221	K216	K224	K225	K227	K226	K228	K219



HAND PIECE	K3667	K3687	K3707	K3827	K3867	K3887	K3987
RIGHT ANGLE	K3662	K3682	K3702	K3822	K3862	K3882	K3982
OLD NO.	K229	K186	K187	K191	K212	K190	K184

ALOXITE BRAND STREAKLESS WHITE POINTS



HAND PIECE	K4327	K4347	K4367	K4387	K4407	K4527	K4547	K4567
RIGHT ANGLE	K4322	K4342	K4362	K4382	K4402	K4522	K4542	K4562
OLD NO.	K185	K234	K235	K236	K129½			



HAND PIECE	K4627	K4647	K4667	K4727	K4747	K4767	K4827	K4927
RIGHT ANGLE	K4622	K4642	K4662	K4722	K4742	K4762	K4822	K4922
OLD NO.	K193	K183	K182	K192	K214	K142	K215	K211



HAND PIECE	K5227	K5527	K5547	K5567	K5587	K5627
RIGHT ANGLE	K5222	K5522	K5542	K5562	K5582	K5622
OLD NO.	K237	K162	K144	K145	K241	K240

PRICE LIST

Carborundum Brand Silicon Carbide Green-Grit Dental Points

List Price per Point mounted on either Hand Piece or Right Angle Mandrels, \$0.20;
One Dozen, \$2.00; Half Gross, \$10.80; Gross, \$20.00.

Aloxite Brand Aluminum Oxide Streakless White Dental Points

List Price per Point mounted on either Hand Piece or Right Angle Mandrels, \$0.30;
One Dozen, \$3.20.



C4403

Carborundum Brand Silicon Carbide Green-Grit and Aloxite Brand Aluminum Oxide Streakless White Points for "Densco" Hand Piece

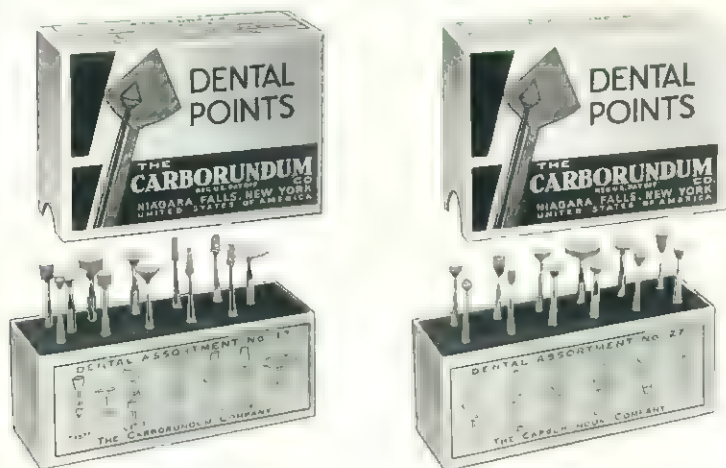
Carborundum Brand Green-Grit and Aloxite Brand Streakless White Points are also available mounted on the special tapered mandrel as illustrated for use in connection with the "Densco" hand piece. Inquiries and orders should be forwarded directly to The Dental Specialty Company, Denver, Colorado.

Carborundum Brand Silicon Carbide Points for Porte Polishers

These Carborundum Brand Points are of just the proper size to fit the regular porte polisher. They are one-eighth of an inch in diameter, one inch long, and are furnished in assorted grits. Packed one dozen points to the box.

Carborundum Brand Points No. 175,	
1 dozen Assorted Grits, per dozen	\$1.00
Carborundum Brand Points No. 175F,	
1 dozen Fine Grit, per dozen	1.00
Carborundum Brand Points No. 175M,	
1 dozen Medium Grit, per dozen	1.00
Carborundum Brand Points No. 175C,	
1 dozen Coarse Grit, per dozen	1.00
Carborundum Brand Points	
any grade, per Point10





Carborundum Brand Silicon Carbide Green-Grit Dental Point Assortments

Carborundum Brand Green-Grit Dental Points are furnished in assortments of one dozen points, made up of the shapes that are most generally used, and are supplied both in the HP mandrels for hand piece and in the RA or right angle mandrels.

No. 17 Assortment contains one each of the following Shapes (mounted on HP type Mandrels): C4407, C5567, C3987, C3727, C3827, C3867, C3227, C3447, C3487, C3667, C4367, C4187.

No. 12 Assortment same as No. 17 except that all points are mounted on RA type Mandrels.

No. 27 Assortment contains one each of the following Shapes (mounted on HP type Mandrels): C3027, C5527, C5587, C4647, C4747, C4827, C5047, C3327, C3127, C3627, C4347, C4387.

No. 22 Assortment same as No. 27 except that all points are mounted on RA type Mandrels.

Carborundum Brand Green-Grit Dental Point Assortments Nos. 17, 12, 27, 22, per box containing one dozen Points, list price \$2.00.



DMP7



DMP16



DMP18

Carborundum Brand Silicon Carbide Mounted Engine Plate Trimmers

These mounted shapes are particularly recommended for the final finishing of plates and are made in a grit and grade specially adaptable for this purpose. They will also be found to be particularly suitable for use on Synthetic Resin type Plates. The illustrations are shown in actual size.

Shape DMP23, list price, each, \$0.50

Shape DMP25, list price, each, .50

Shape DMP7, list price, each, .50

Shape DMP21, list price, each, \$0.50

Shape DMP18, list price, each, .50

Shape DMP16, list price, each, .50



DMP21



DMP23



DMP25



Carborundum Brand Silicon Carbide "Nolap" Dental Bands

For dressing down —giving a smooth uniform finish to dental plates —these improved Carborundum Brand "Nolap" Dental Bands are recommended. The cloth backing is uniformly coated with sharp, uniformly graded grain. The bands are made with a diagonal lap, the ends meeting at a flat even joint, eliminating bumps and shocks —a joint that remains always secure.

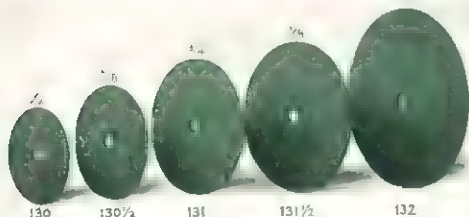
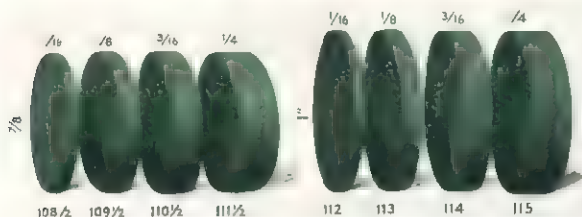
Carborundum Brand "Nolap" Dental Bands in boxes:

List price per box of 100 . . . \$0.85 List price per box of 500 . . . \$3.50

Carborundum Brand Silicon Carbide Green-Grit Engine Wheels

STUMP WHEELS AND KNIFE EDGE DISCS

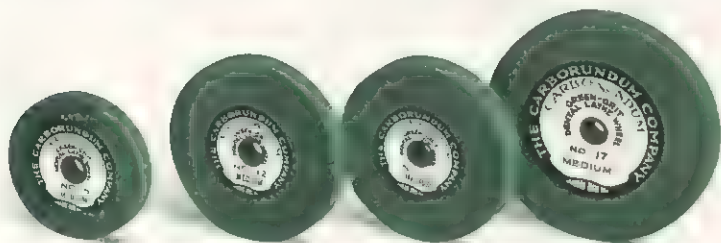
These Carborundum Brand Green-Grit Wheels for diversified dental engine work are made in coarse, medium and fine grits in all necessary diameters and thicknesses. They are accurately made with positively parallel sides, accurately placed and finished holes. They run true, cut fast and cool and can be used for practically all dental engine grinding operations on all types of material.



These stump wheels and discs are made from genuine Green-Grit Carborundum Brand Silicon Carbide. Fast, clean cutting. Made in three grits, coarse, medium, and fine.

List price per wheel or disc, coarse, medium, or fine grit, any size . . .	\$ 0.10
Per dozen	1.00
Per half gross	5.40
Per gross	10.00

Carborundum Brand Silicon Carbide Green-Grit Square Edge Lathe Wheels



Carborundum Brand Green-Grit Square Edge Dental Wheels are made in four grits; extra coarse, coarse, medium, and fine, in sizes in accordance with the standards of the Dental Trades Association. The extra coarse wheels are designed for use in grinding and cutting plaster models and vulcanite.

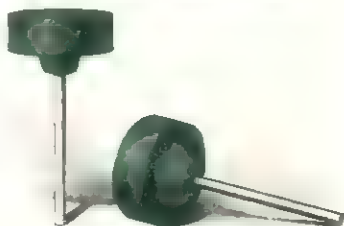
	No. 8	No. 11	No. 12	No. 13	No. 15	No. 16	No. 17	No. 20	No. 21	No. 22
Diameter,	1 1/2	2	2	2	2 1/2	2 1/2	2 1/2	3	3	3
Thickness,	1/4	1/8	1/4	3/8	1/8	1/4	3/8	1/4	3/8	1/2
Hole,	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
Per Wheel,	\$0.55	\$0.55	\$0.55	\$0.65	\$0.70	\$0.70	\$0.90	\$0.70	\$0.90	\$0.90

For special size hole, add \$0.10 to list prices shown above.

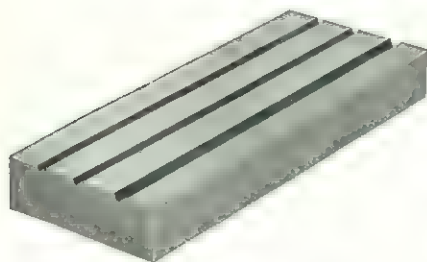
Carborundum Brand Rotary Dental Hone

The Carborundum Brand Rotary Hone is an improved design for sharpening and honing chisels, excavators, and other edged tools. The hone, made in a fine grit, is securely and truly mounted on a non-tarnishing mandrel and it gives a quick, smooth, keen edge. Size, 3/4" diam., 1/4" thick, mounted on 3/32" mandrel.

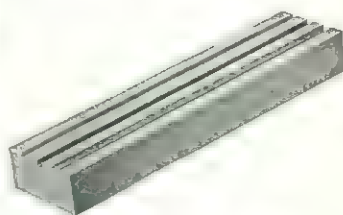
Carborundum Brand Rotary Hone No. 26L,
price each \$0.50



Carborundum Brand Silicon Carbide Excavator Hones



Carborundum Brand Excavator
Hone No. D177



Carborundum Brand Excavator
Hone No. D176

The Carborundum Brand Flat Excavator Hones are specially designed for the sharpening of excavators, particularly of the spoon type. They cut fast and clean, are uniform in structure or texture, imparting a keen, smooth edge to the instruments. Made in fine grit only and furnished in two sizes.

Carborundum Brand Excavator Hone No. D177:

Size 4 x 1½ x ½ inches, each \$1.00

Carborundum Brand Excavator Hone No. D176:

Size 3 x ¾ x ¾ inches, each75

Carborundum Brand Silicon Carbide Grains and Powders



Carborundum Brand Silicon Carbide Powders in coarse (180), medium (1F) and fine (3F) grades are supplied to the dental profession in one-half pound and one-pound tins.

Carborundum Brand Silicon Carbide Powders in any of three grades.

Per pound tin \$0.65
Per half-pound tin40

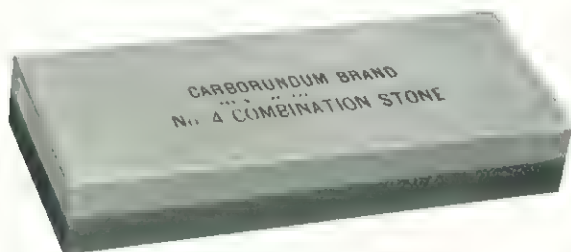
Carborundum Brand Silicon Carbide Dental File



A decidedly convenient file for smoothing up and filing crown and bridge work and for various other uses. This file has a fast, clean cutting action and can be used on both porcelain and metals. It is made in the half round shape, tapered ends and knife edges, making it a most convenient abrasive tool of many uses. Made in two grits, coarse or fine.

Carborundum Brand File No. 6 fine grit, No. 7 coarse grit:

Size $6\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$ inches, each \$0.75



Carborundum Brand Silicon Carbide Combination Stone

A convenient stone for dentists' use. Made with one side fine grit for bringing chisels, flat excavators and other similar edged tools to an edge; the other side in extra fine grit for giving the finished, keen, smooth edge.

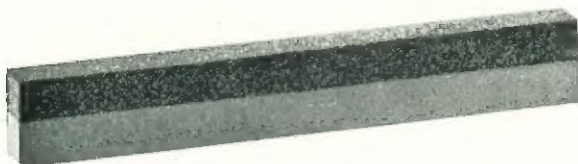
Carborundum Brand Combination Stone No. 4:

Size $5 \times 2 \times \frac{3}{4}$ inches, each \$1.00

Carborundum Brand Extra Hard, Extra Fine Stone, No. 159 single grit:

Size $6 \times 2 \times \frac{5}{8}$ inches, each 1.00

Carborundum Brand Silicon Carbide Combination Truing Stone



The Carborundum Brand Truing Stone is offered to the dental profession as a handy, convenient abrasive tool for the dressing and shaping of lathe wheels, mounted points, etc. It is a combination coarse and fine grit stone.

Carborundum Brand Truing Stone No. 1, combination coarse and fine grit:

Size $5 \times \frac{3}{4} \times \frac{1}{8}$ inches, each \$0.50

Carborundum Brand Silicon Carbide Instrument Hone



Made of the very finest hand-washed powder. Unexcelled for producing a keen edge. A very useful hone for dentists. Furnished in a neat, black leather case.

Carborundum Brand Instrument Hone No. 100:

Size $4 \times 1 \times \frac{3}{8}$ inches, per hone, each \$1.00

Carborundum Brand Silicon Carbide No. 2 Truing Stone



The No. 2 Truing Stone is designed for dressing or shaping the various types of dental points. One of the features of this improved truing stone is in the fact that it has a series of grooves of different widths to accommodate dressing of various sizes and shapes of points. Another feature is that it is a combination grit or two grit stone. One side being comparatively coarse for quickly cutting the wheel or point down to shape and the other side fine grit for a more accurate finishing or shaping. Note that the concave grooves are round on one surface and square on the other.

Carborundum Brand Silicon Carbide No. 2 Truing Stone:

Size $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{4}$ inches, list price, each \$1.00

CARBORUNDUM
AND ALOXITE ARE
REGISTERED TRADE-
MARKS OF THE
CARBORUNDUM
COMPANY

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BUFFALO, N. Y.

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